SERVICE MANUAL



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INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for Marantz Model 2215B Stereophonic Receiver.

Servicing information and voltage data included in this manual are intended for use by the knowledgeable and experienced technician only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of the operation of the receiver.

The parts list furnishes information by which replacement parts may be ordered from the Marantz Company. A simple description is included for parts which can usually be obtained through local suppliers.

1. P.W. Board

As can be seen from the circuit diagram, the chassis of Model 2215B consists of the following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram.

1. FM/AM Tuner	
2. Phono Amplifier	mounted on P.W. Board P400
3. Power Amplifier	mounted on P.W. Board P700
4. Power Supply	mounted on P.W. Board P800
5. Dial Lamp	mounted on P.W. Board PZ01
6. Monitor, Switch	
7. Muting, Switch	mounted on P.W. Board PH01
8. Tone Amplifier	



2. Test Equipment Required for Servicing
Table 1 lists the test equipment required for servicing the Model 2215B Receiver.

ltem	Manufacturer and Model No.	Use
AM Signal Generator		Signal source for AM alignment.
Test Loop		Used with AM signal generator.
FM Signal Generator	Less than 0.3% distortion	Signal source for FM alignment.
Stereo Modulator	Less than 0.3% distortion	Stereo separation alignment and trouble shooting.
Frequency Counter		MPX oscillator adjustment (VCO).
Audio Oscillator	Weston Model CVO-100P, less than 0.02% residual distortion is required.	Sinewave and squarewave signal source.
Oscilloscope	High sensitivity with DC horizontal and vertical amplifiers.	Waveform analysis and trouble shooting, and ASO alignment.
VTVM	With AC, DC, RF range	Voltage measurements.
Circuit Tester		Trouble shooting.
AC Wattmeter	Simpson, Model 390	Monitors primary power to amplifier.
AC Ammeter	Commercial Grade (1-10A)	Monitors amplifier output under short circuit condition.
Line Voltmeter	Commercial Grade (0-150VAC)	Monitors potential of primary power to amplifier.
Variable Autotransformer (0-140VAC, 10 amps.)	Powerstat, Model 116B	Adjusts level of primary power to amplifier.
Shorting Plug	Use phono plug with 600 ohm across center pin and shell.	Shorts amplifier input to eliminate noise pickup.
Output Load (8 ohms, 0.5%, 100W)	Commercial Grade	Provides 8-ohm load for amplifier output termination.
Output Load (4 ohms, 0.5%, 100W)	Commercial Grade	Provides 4-ohm load for amplifier output termination.

Table 1. Test Equipment Required for Servicing

3. AM Alignment Procedure

3.1 AM IF Alignment

- 1. Connect a sweep generator to the test point A or J105 and an alignment scope to J112.
- 2. Rotate each core of IF transformer L203 and L204 for maximum height and flat top symmetrical response.

3.2 AM Frequency Range and Tracking Alignment

- 1. Set AM signal generator to 525 kHz. Turn the tuning capacitor fully closed (place the tuning pointer at the low end) and adjust the oscillator coil L202 for maximum audio output.
- 2. Set the signal generator to 1650 kHz. Place the tuning pointer in the high frequency end and adjust the oscillator trimmer on the oscillator tuning capacitor (CA-2) for maximum audio output.
- 3. Repeat steps 1 and 2 until nofurther adjustment is necessary.
- 4. Set the generator 600 kHz and tune the receiver to the same frequency and adjust a slug core of AM ferrite antenna for maximum output.
- 5. Set the generator to 1400 kHz and tune the receiver to the same frequency and adjust the trimming capacitors of Antenna (CA-1) for maximum output.
- 6. Repeat steps 4 and 5 until no further adjustment is necessary.
- Note: During tracking alignment reduce the signal generator output as necessary to avoid AGC action.

4. FM Alignment Procedure

- 1. Connect an FM signal generator to the FM antenna terminals and an oscilloscope and an audio distortion analyzer to the tape output jacks on the rear panel.
- 2. Set the FM SG to 87.5 MHz and provide about 3 to 5 μ V. Place the tuning pointer at the low frequency end by rotating the tuning knob and adjust the core of oscillator coil L103 to obtain maximum audio output.
- 3. Set the FM SG to 108.5 MHz and provide about 3 to 5 μ V output. Rotate the tuning knob and place the tuning pointer at the high frequency end and adjust the trimming capacitor CF-3 for maximum output.
- 4. Repeat steps 2 and 3 until no further adjustment is necessary.
- 5. Set the FM SG to 90 MHz and tune the receiver to the same frequency. Decrease signal generator output until the audio output level decreases with the decreasing generator output. Adjust the antenna coil L101, RF coil L102 and IF transformer L105 for minimum audio distortion.
- 6. Set the FM SG to 106 MHz and tune the receiver to the same frequency. Adjust the trimming capacitor CF-1, CF-2 for minimum distortion.
- 7. Repeat steps 5 and 6 until no further adjustment is necessary. /.
- 8. Connect a DC VTVM with ±0.5 volt range selected to the test point (E) (J116) and adjust the secondary core (upper) of discriminator transformer L106 so that no voltage reading is obtained on the VTVM at no signal.

Next set the FM SG to 98 MHz and increase the output level to 1 $k\mu V$, then tune the receiver to the same frequency so that no deflection is obtained.

Adjust primary core (bottom) of L106 for minimum distortion, and adjust the L107 for the maximum reading on the VTVM connected to the J114.

5. STEREO Separation Alignment

- 1. Set the FM SG to provide 1 $k\mu V$ at 98 MHz.
 - Tune the receiver to the same frequency perfectly.
- 2. Turn the FM SG modulation off (with the pilot signal turned off), connect a frequency counter to test point J120, and adjust R302 so that the frequency counter may precisely read 19 kHz.
- 3. Modulate the FM SG with stereo composite signal consisting of only subchannel signal () f course a pilot signal must be included).
- 4. Adjust the trimming resistor R301 for maximum and same separation in both channels.



6. Muting Circuit Alignment

Set the FM SG output to provide 25 μV (IHF) at 98 MHz and tune the receiver to the same frequency.

Adjust the trimming resistor R161 for the threshold level of 25 μ V (during this adjustment turn the MUTING pushswitch "on").

7. Audio Adjustment

Connect a VTVM across the resistor R735 and adjust the trimming resistor R727 until the VTVM reads 10.0 mV DC.

For the other channel connect the VTVM across the R736 and adjust the R728 for the same reading.

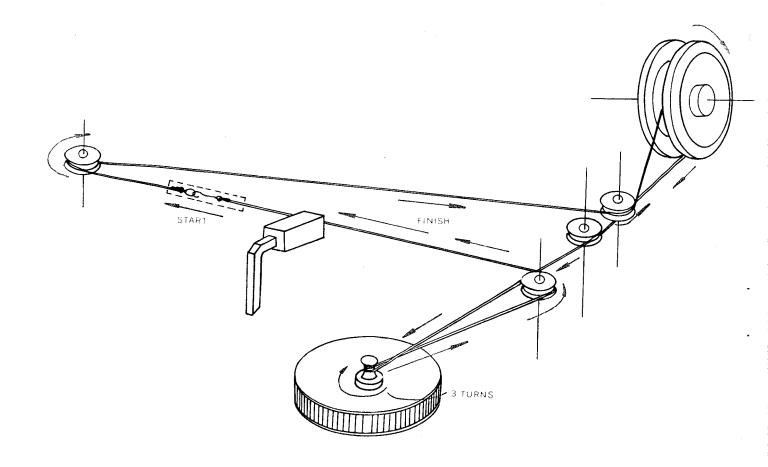


Figure 1. Dial Stringing

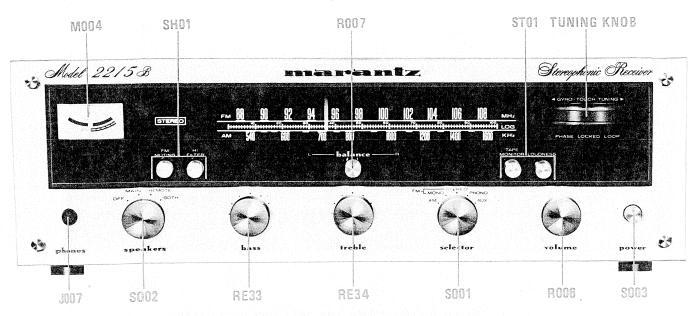


Figure 2. Front Panel Adjustment and Component Locations

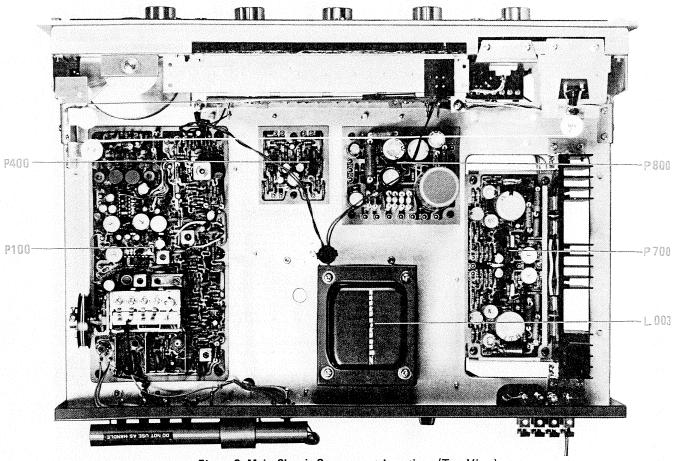


Figure 3. Main Chassis Component Locations (Top View)



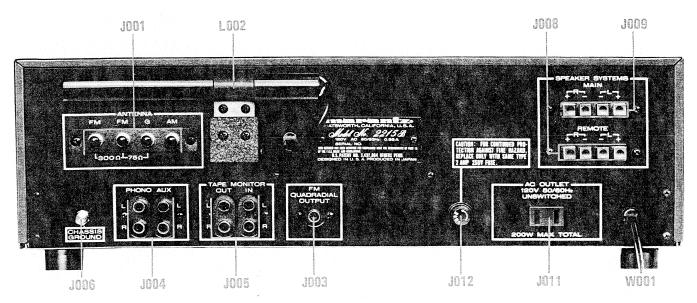


Figure 4. Rear Panel Adjustment and Component Locations

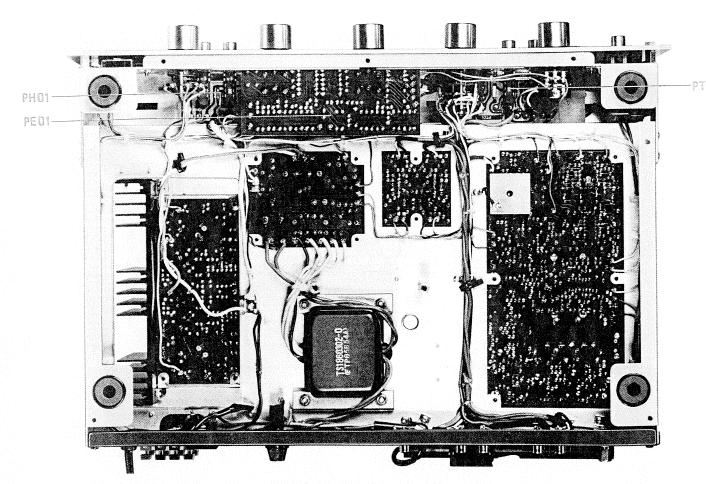


Figure 5. Main Chassis Component Locations (Bottom View)

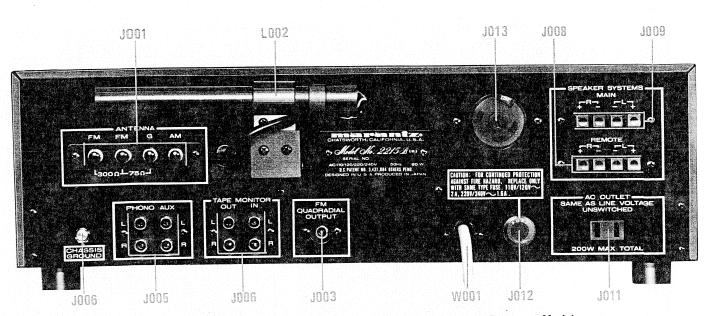


Figure 6. Rear Panel Adjustment and Facilities Locations for European Model

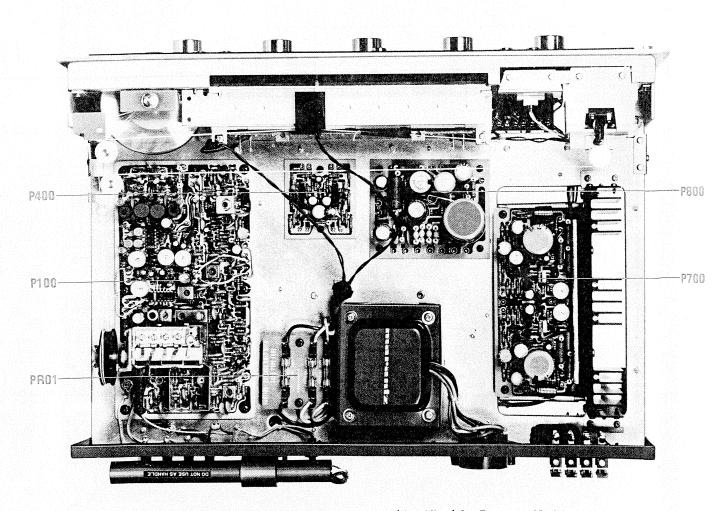


Figure 7. Main Chassis Component Locations (Top View) for European Model



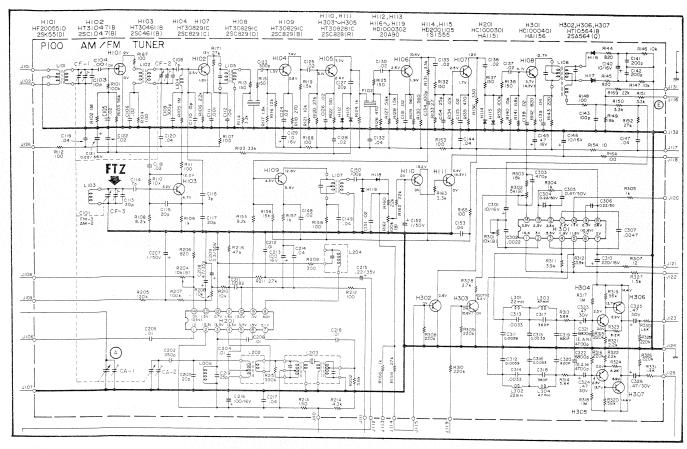


Figure 8. FM/AM Tuner Assembly (P100) Schematic Diagram

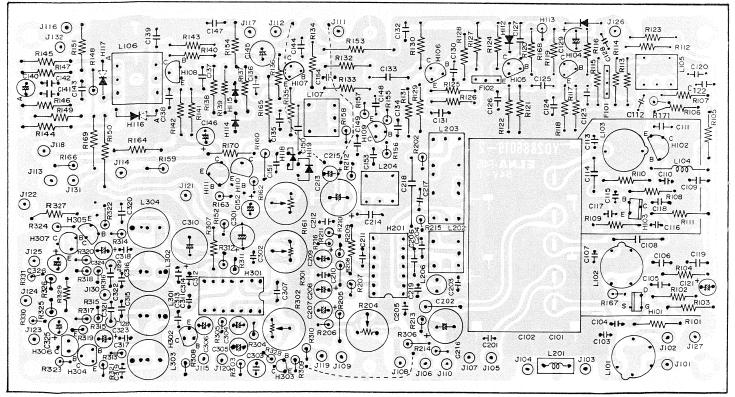


Figure 9. FM/AM Tuner Assembly (P100) Component Locations

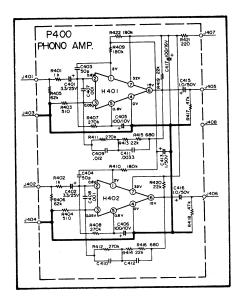


Figure 10. EQ Amplifier (P400) Schematic Diagram

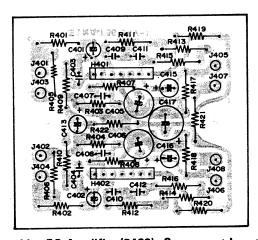


Figure 11. EQ Amplifier (P400) Component Locations



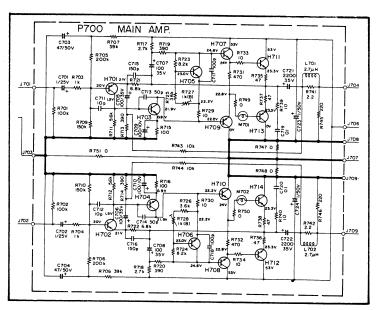


Figure 12. Main Amplifier (P700) Schematic Diagram

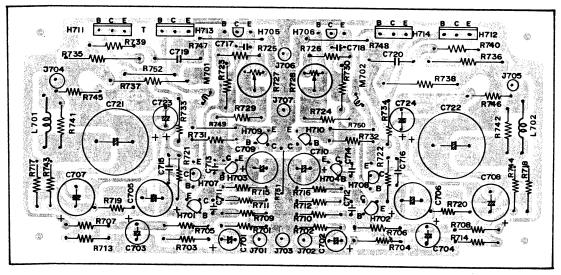


Figure 13. Main Amplifier (P700) Component Locations

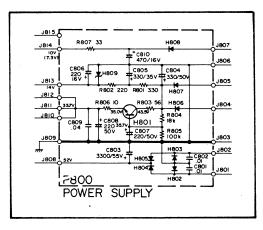


Figure 14. Power Supply Assembly (P800) Schematic Diagram

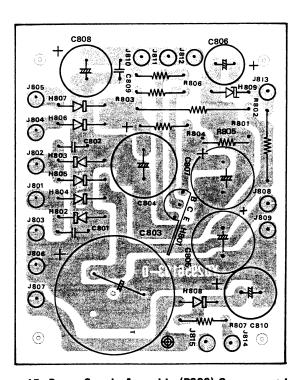


Figure 15. Power Supply Assembly (P800) Component Locations

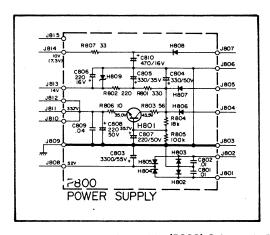


Figure 14. Power Supply Assembly (P800) Schematic Diagram

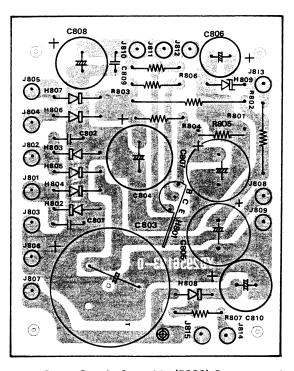


Figure 15. Power Supply Assembly (P800) Component Locations

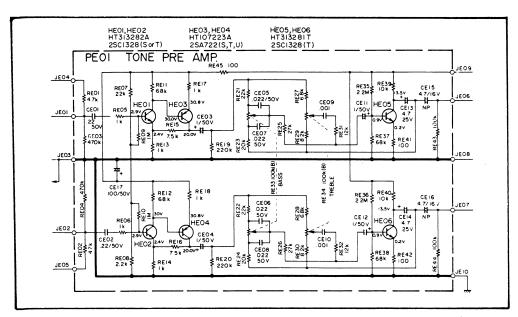


Figure 16. Tone Amplifier (PE01) Schematic Diagram

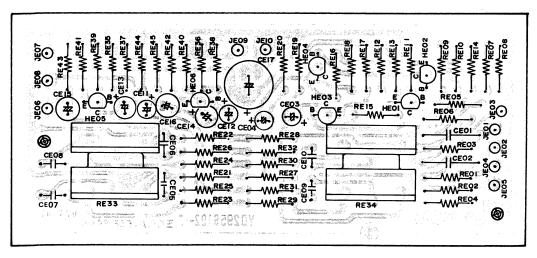


Figure 17. Tone Amplifier (PE01) Component Locations

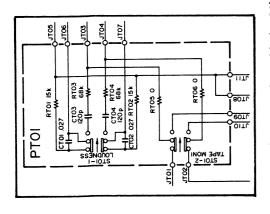


Figure 20. Loudness and Monitor Assembly (PT01) Schematic Diagram

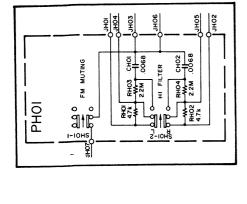


Figure 18. Muting Hi Filter Assembly (PH01) Schematic Diagram

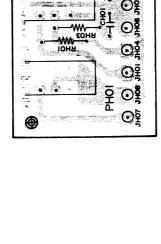


Figure 19. Muting Hi Filter Assembly(PH01 Component Locations

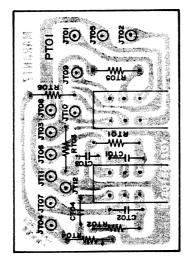


Figure 21. Loudness and Monitor Assembly (PT01) Component Locations

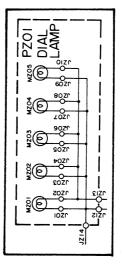


Figure 22. Dial Lamp Assembly (PZ01) Schematic Diagram



Figure 23. Dial Lamp Assembly (PZ01) Component Location

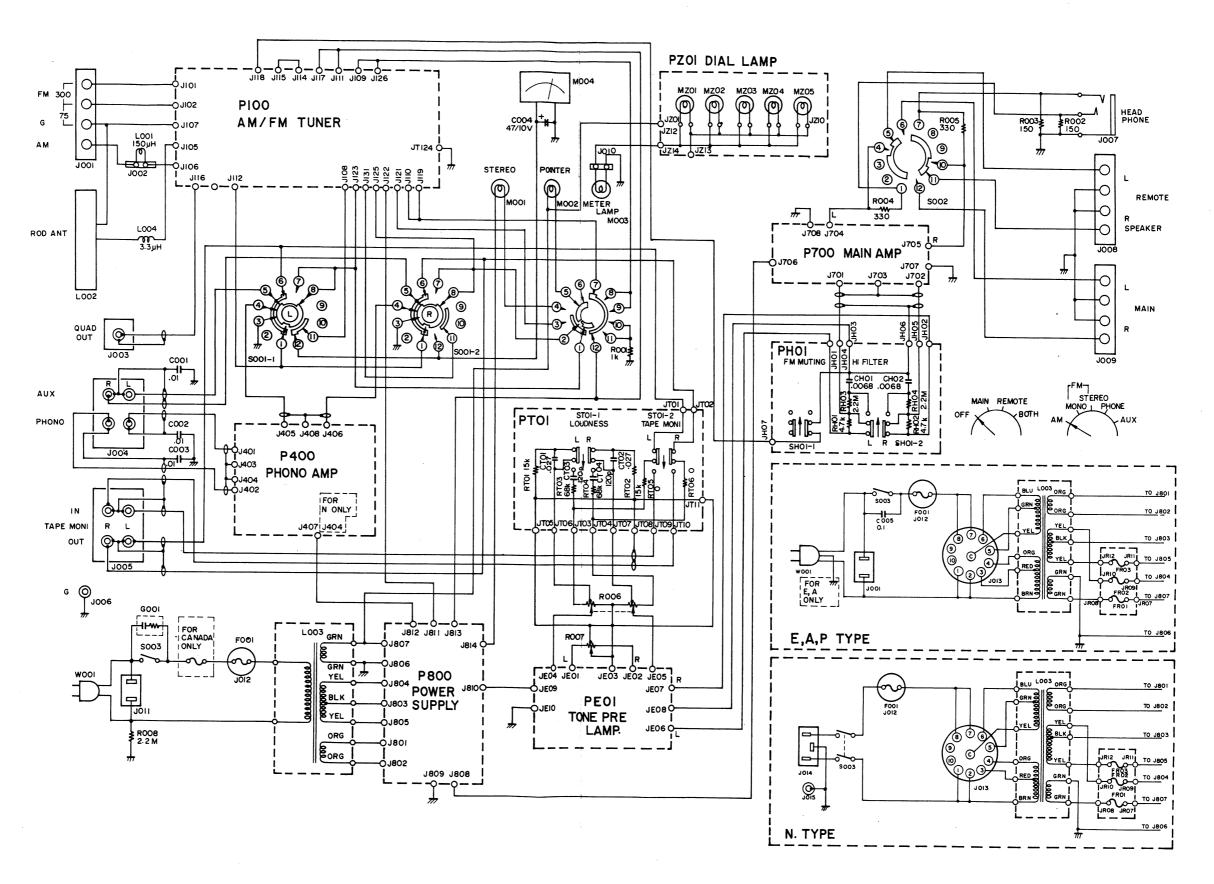


Figure 24. Wiring Diagram

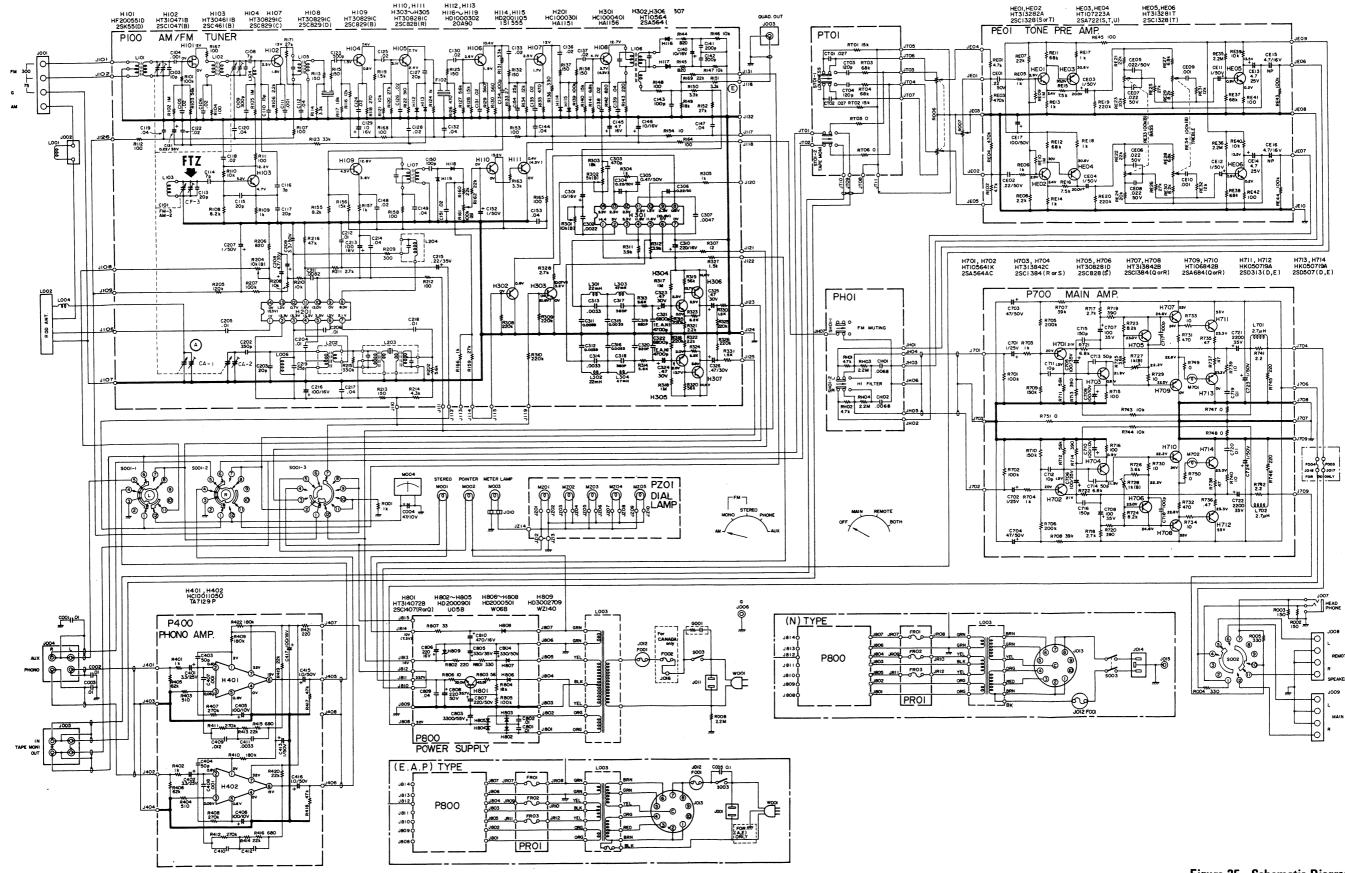


Figure 25. Schematic Diagram

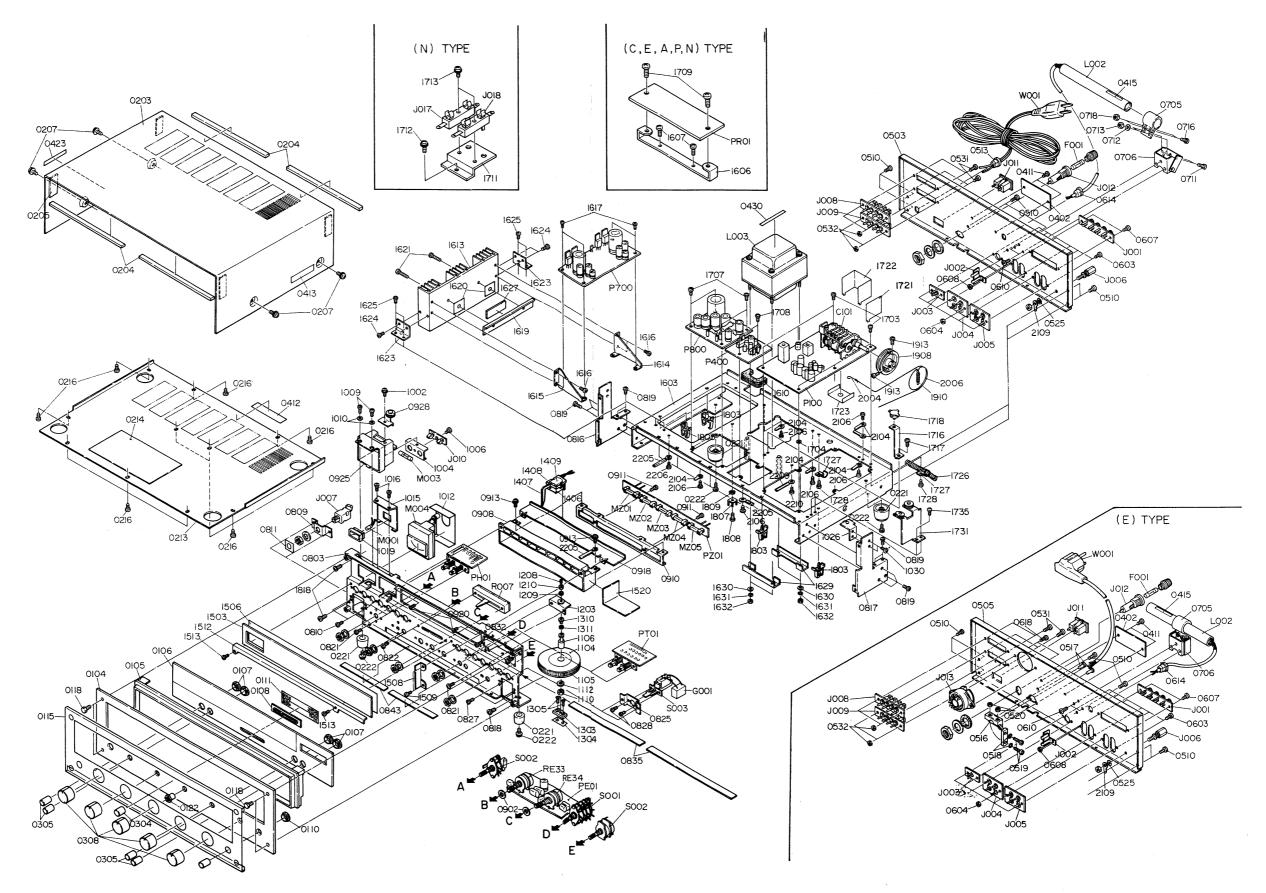


Figure 26. Exploded Mechanical Diagram

PARTS LIST

PAR 13					_			DEE	Т	_	'T	·	Т		
REF. DESIG.		C C	Y	N	-	PART NO.	DESCRIPTION	REF. DESIG.	U				N	PART NO.	DESCRIPTION
A A	1	1	1	1	+	295606340	Front Panel Assembly	0222	4	- 1	- 1	Ł	- 1	51440410S	P.H.M. Screw S, P4x10
0104	1	1	1	1	- 1		Escutcheon	0304	1			- 1	1 4	285015401 288615403	Knob, Slide Volume Knob, Push Switch
0105	1	1	1	1		2000 1010	Frame	0305	1			- 1	1	290415404	Knob, Power Switch
0106	1	1	1	1	- 1		Window	0308	5				5	281815403	Knob
0107	4	4	4	4		288625901	Bushing	0402	1		´ `		٦	295626501	Indicator
0108	1	1	1	1		285425901	Bushing	0403	'	1				295626502	Indicator
0110	1	1	1	1	- 1	281825905	Bushing Sheet	0404				1		295626503	Indicator
0111	1	1	1	1	1.	291510701 291505301	Cover	0410				-	1	295626509	Indicator
0115	1	'	'	'		231303001	3000	0411	2	2 2	2	2	2	51100305S	B.H.M. Screw, B3x5
В	1	1	1	1		295625740	Lid Assembly, Upper	0412	1	, .	1	1	1	257886101	Label, UL Caution
0203	1	1	1	1		295625701	Lid Spacer	0413	- 1			1	1	293286101	Label, Do not remove
0204	4	4	4	2	- 1	257711803 285605601	Buffer	0415				1	1	250626506	Indicator, Do not use as
0205	4	4	4	1	•	283003001	Barrer	0419			1			951091101	Label, LL No.
С	1	1	1	-	.	295625741	Lid Assembly, Lower	0420			1			282186102	Label, Fuse Caution
0213	1	1	1	1		295625702	Lid	0421		1		- 1		951091102	Label, UL Factory No.
0213	1	1	1		- 1	288812001	Insulator	0423	- 1	1				281886101	Label, FTC
02	'	'			-			0424	'	1				951110101	Label, UL
D			1			295616040	Rear Panel Assembly	0425	١.		1	1	1	245786104	Label, CSA Label, on Power Transformer
0505			1			295616022	Bracket	0430		1	1	1	'	288686101	Laber, On Fower Transformer
0516			1			282125901	Bushing	0432			1	1		951061102	Label, 2A
0517			2		- 1	55060305S	T.R. Rivet	0433				.	1	288286102	Label,
	١.		1.		,	205227240	Flywheel Assembly	0434					2	951260102	Label, 2.5 AT 250V
E	1	1	1	- 1	1 2	285327340 257706302	Escutcheon	0503		1	1			295616021	Bracket
1104	1	- 1			1	257727301	Flywheel	0506					1	295616023	Bracket
1105 1106	1	1 .	- 1		1	285311201	Shaft	0510		- 1	6	6	6	51100306S	B.H.M. Screw, B3x6
1110	1	- 1	1	- 1	1	53110603E	Hexagon Nut	0513		1	1			145525903	Bushing
1112	1	- 1	- 1		1	54020601E	Flat Washer, P	0518			- 1	2		54050300R	T.L. Washer, OR
	1		1					0519				2		51060316A	P.H.M. Screw, P3x16 Hexagon Nut
F	1				1	291510340	Pointer Assembly	0520				2		53110303A	i i exagon i vut
1406	1				1	291510301	Pointer	0525		1	1	1	1	54050400R	T.L.Washer, OR
1407	1			٠,	1	281810302	Pointer	0523			4	4	4	51100308S	B.H.M. Screw, B3x8
1408	1	- 1		- 1	1	291510302 291526703	Pointer Heatsink	0532			4	4	4	53110303A	Hexagon Nut
1409	1	- 1	- 1	1	1	IN1008030	Lamp	0603			6	6	6	51100308S	B.H.M. Screw, B3x8
M002	1	' '		'	•	1141000000		0604		6	6	6	6	53110303A	
G	.	1 1		1	1	281915941	Drum Assembly	0607		2	2	2	2	51100308S	B.H.M. Screw, B3x8
1908	- 1	1		1	1	281915901	Drum	0608		1	1	1 3	1	53110303E 51100306S	Hexagon Nut B.H.M. Screw, B3x6
1910		1		1	1	71101569N		0610		3	ა 1	3	3	145525903	Bushing
1913		2 2	2	2	2	51064019A	Set Screw	0614	l	1	'	1	١.	145525907	Bushing
					1	120200640	Hook Assembly	30.3				ľ			
H	- 1	1	- 1	1	1	120200640		0616				1		318827102	
2004		- 1		1	1	72080802A		0618				2	2		
2006		1	'	1	•	, 2300027		0621					1	54050400R	
								0622					2 2	51100308S 54050300R	
								0623					2	53110303E	
				- 1				0624		1	1	1		281927103	_
								0706		1	1	1	1		
								0711		2	2	2		E	
								0712		2	2	2			
										_		_	-	5044000	No.
								0713		2	2	2			Hexagon Nut
								0716		2	2	2			
0118		4	4	4	4		i	0718	- 1	2	2	2		1	1
0122		- (1	1	1		! Collar	0803	- 1	1	1	1		1	1
0207		- 1	4	4	4			0810		2	2	2	1	1	
0216			11		11	511004069		0811		1	1	1			l .
0221		4	4	4	4	293205701	Leg					ľ			
			-												
		ľ													
1	- 1	l			1	1		J L		Ь				J	

		O/ T						l	Q"	TV			
REF. DESIG.	U	C C	E	N	PART NO.	DESCRIPTION	REF. DESIG.	U	С	E		PART NO.	DESCRIPTION
0816	1	1	1	1	281816003	Bracket	1616	4	4	4		51380306P	P.H. Tapped Screw, P3x6
0817	1	1	1	1	281816004	Bracket	1617	4	4	4		51100306S	B.H.M. Screw, B3x6
0818	4	4	4	4	51100405A		1619	1	1	1		295600501	Clamper
0819	10	10	10	10	51570306B		1620	2	2	2		287411801	Spacer
0821	4	4	4	4	51100306A		1621	2	2	2	2	51100312A	B.H.M. Screw, B3x12
0822	2	2	2	2	51100306A	B.H.M. Screw, B3x6	1623	2	2	2		295616004	Bracket
0825	1	1	1	1	291516005	Bracket	1624	4	4	4		51380306P	P.H. Tapped Screw, P3x6
0827	2	2	2	2	51100306A	B.H.M. Screw, B3x6	1625	4	4	4		51570306B	P.H. Tapped Screw, P3x6
0828	2	2	2	2	51060306A	B.H.M. Screw, B3x6	1627	1	1	1		391711801	Spacer
							1629	2	2	2	2	295616005	Bracket
0832	2	2	2	2	51470306A	B.H.M. Screw S, B3x6		Ì		1			
0834	2	2	2	2	233612002	Insulator	1630	4	4	4		54020401A	
0835	2	2	2	2	291612001	Insulator	1631	4	4	4		1	Spring Washer
0902	2	2	2	2	292705502	Collar	1632	4	4	4			Hexagon Nut
0908	1	1	1	1	287127401	Reflector	1703	6	6	6		1	P.H. Tapped Screw, P3x6
0910	1	1	1	1	287127101	Holder	1704	1	1	1		i	Washer
0911	2	2	2	2	51570306B	P.H. Tapped Screw, P3x6	1707	4	4	4			P.H. Tapped Screw, P3x6
0913	2	2	2	2	51480306A	B.H.M. Screw F, B3x6	1708	2	2	2	2	51570306S	P.H. Tapped Screw, P3x6
0918	1	1	1	1	287105102	Guide	1709		2	2			B.H.M.Screw, B3x6
0920	2	2	2	2	51042608A	F.H.M. Screw, F2.6x8	1711				1	295616007	Bracket
					005 407 404	Defleres	1712				1	51570306B	P.H. Tapped Screw, P3x6
0925	1	1	1	1	285427401	Reflector	1740				_	E10630000	D U M. Corour DO Co.C
0928	1	1	1	1	295626250	Pulley, K	1713	1			2	51062606B	I I
1002	1	1	1	1	51480308A	B.H.M. Screw F, B3x8	1716	1	1				
1004	1	1	1	1	285427101	Holder P.H. Tapped Screw, P3x5		1	1			51570306B 290825901	Bushing
1006	1	1	1	1	51570305B		1718	1	1	1		282110901	Shield
1009	2	2	2	2	51570306B	P.H. Tapped Screw, P3x6	1721	1	1	1			Shield
1010	2	2	2	2	54050300R 288610701	T.L. Washer, OR Sheet	1723	1	1			285010902	1
1012	1	1	1 1	1	291516004	Bracket	1726	1	1			288210901	Shield
1015	1 2	2	2	2	51570306B	P.H. Tapped Screw, P3x6	1727	2					1
1016	2	2	2	~	313703000	1:11. Tapped ociew, 1 0x0	1728	2	2	2			1
1019	1	1	1	1	291225901	Bushing	1720	-	-	-	- -	0.0,0000	I III Tupped Solotti, t Silo
1015	1	1	1	1	291626251	Pulley, K	1731	1	1	1	1 1	295626251	Pulley, K
1030	2	2	2	2	51100305A	The state of the s	1735	2	2				
1203	1	1	1	1	285310650	Bearing, K	1803	7	7				Clamper
1208	1	1	1	1	51640410D	1	1804	1			1 1		1 -
1209	1		1	1	54040402N	1	1807	1	1		1 1	1	Contactor
1210	1		1	1	53110403E	1	1808	1			1 1		1 1
1303	1		1	1	257710602	Bearing	1809	1			1 1	4	1
1304	1		1	1	141511801	Spacer	2008	1			1 1	!	1
1305	2		2	2	51040306A	F.H.M. Screw, F3x6	2104	2			2 2		
	-						2106	6	6	1	6 6	1	
1310	1	1	1	1	285011202	Shaft	2109	1			1 1	62041760W	1
1311	1			1	54040402N	Spring Washer						,	
1503	1			1	295630201	Dial	2110				1	62041760W	Lug
1506	1	1	1		285310701	Sheet	2111				1	54050400R	T.L. Washer, OR
1508	1	1	1	1	285326901	Protector	2112	1	1		1 1		1 1
1509	2	2	2	2		P.H. Tapped Screw, P3x5	2113	1		- 1	1 1		1 -
1512	1	1	1	1	291526901	Protector	2114	1	1	'	1 1	62030039W	Lug
1513	2		2			P.H. Tapped Screw, P3x5	2115	1	1	1.	1 1	62030039W	Lug
1515	1	1	1			Cover	2116	1	1			62030039W	Lug
1520	1	1	1	1	281912005	Insulator	2117			- 1	1 1	62030039W	Lug
						1	2205	3	3		3 3	138200503	
1603	1	1	1	1	295610550	1	2206	2	2	: :	2 2	51570306B	P.H. Tapped Screw, P3x6
1606			1										
1607		1.	2				2209	1	,	- 1	1 1	1	Clamper
1610	1	- 1	1 .	1	1	Bushing	2210	1		1.	1 1	1	
1613	1			1	389926701	Heatsink	2302	1			.	295685101	Instructions, Set
1614	1				295616002		2303		1	'	- 1	1	
1615	1	1	1	1	295616003	Bracket	2306		1.	ı	1		
							2307	١.	1			288685110	1
							2313	1			1 1		
							2314	1	1	'	1 1	281885108	
		1					2316	1	1	1.	1 1		
1						1	2317	'	1'		'	281885104	manuchons, racking
												1	
			1										
										1			
	1	1							1			1	

REF.			<u>'T`</u>			PART NO.	DESCRIPTION	REF. DESIG.	U	Q'	TY			PART NO.	D	ESCRIP'	TION	
DESIG.	U	C	ا :	E	N	FART NO.	DESCRIPTION		\vdash		+	+	-			4=00	. = 0.	
0000	1	T			ı	281885402	Guarantee Card	R126	1	1	1	1	1	RT0547114	Resistor,	470Ω		1/4W
2323	1	- 1	. 1.	1	1	257785401	Guarantee Card	R127	1	1	1	l l		RT0556214	Resistor,	5.6KΩ		1/4W
2324	1	1	- 1	1	1	257785102	Instructions, Red Tag	R128	1	1	1	- 1	1	RT0515214	Resistor,	1.5KΩ		1/4W
2325	1		'	١.	1		Envelope	R129	1	1	1	1	1	RT0556114	Resistor,	560Ω		1/4W
2326	1	1				257781301		R130	1	1	1	- 1	1	RT0556114	Resistor,	560Ω		1/4W
2327		١.	- 1	1	1	281881301	Envelope	R131	1	1	1	- 1	1	RT0533214	Resistor,			1/4W
2329	١.	- 1	!	.		291881301	Envelope	R132	1	1	1	1		RT0515114	Resistor,	150Ω		1/4W
2402	1		- 1	1	1	295680101	Packing Case, Inner	R133	1	1	1	1		RT0527214	Resistor,			1/4W
2403	1	'	1	1		295680102	Packing Case, Outer	R134	1	1	1			RT0512314	Resistor,	12ΚΩ		1/4W
2406				1	1	295680105	Packing Case, Inner	R135	1	1	1	1		RT0547114	Resistor,	470Ω	±5%	14W
2407					1	295680106	Packing Case, Outer	1										1
				1				R136	1	1	1	1		RT0533114	Resistor,	330Ω	±5%	1/4W
2408	1		1	1		344880301	Cushion, Upper	R137	1	1	1	1		RT0515114	Resistor,	150Ω	±5%	1/4W
2409	1		1	1		344880301	Cushion, Lower	R138	1	1	1	1		RT0515114	Resistor,	150 Ω	± 5%	1/4W
2411	1		1	1		291810715	Sheet, Upper Lid	R139	1	1	1	1 1		RT0510414	Resistor	100ΚΩ	±5%	1/4W
2412	1		1	1		901453835	Polyethylene Bag, Set	R140	1	1	1	1		RT0515314	Resistor	15K Ω	±5%	1/4W
2414	1		1	1	1	901302501	Polyethylene Bag, Printed Matter	R141	1	1	1		1	RT0568214	Resistor,	6.8KΩ	±5%	1/4W
2415	1		1	1	1	901302501	Polyethylene Bag, Accessories	R142	1	1	- 1	1		RT0582114		820 Ω		1/4W
2416			2	-		951090102	Label, On Packing Case	R143	1	1			1	RT0522114		220Ω		1/4W
2417	1	ı	1	1		102980401	Sleeve	R144	1	1	1	- 1	1	RT0582114		820Ω		1/4W
2418				1		956000004	Hang Tag	R145	1	1	- 1	- 1	-	RT0582114		820Ω		1/4W
2419		1	1	1	1	273182101	Silicagel	n 145	١.	'	'	'∣'		1110302114	ricarator,	02011	2070	/***
								D146	1	1	1	1 1		RT0510314	Resistor,	10KΩ	+5%	1/4W
2420	-	1	1	1	1	281905601	Buffer	R146		1		- 1	- 1	RT0510314		10KΩ		1/4W
2421		١.	•	•	1	344880701	Reinforcing	R147	1	1	1		- 1			100Ω		1/4W
2422	١.	4				952281501	Serial No. Card	R148	1	1		- 1	1	RT0510114	1			
2423		1	4			952301512	Serial No. Card	R149	1	1		1 1	- 1	RT0518314		18ΚΩ		1/4W
2424			7	4		952301511	Serial No. Card	R150	1	1	- 1	1 1	- 1	RT0533214				1/4W
1				-	4	952301513	Serial No. Card	R151	1	1	,	1 1	- 1	RT0533214				1/4W
2425					1	288286101	Label, on Packing Case	R152	1	1		1 1	- 1	RT0527314		27ΚΩ		1/4W
2430	3	1	1	1	1	ZA0200007	Ext. Antenna	R153	1	1	- 1	1 1	-	RT0510114		100Ω		1/4W
2432	-	1	'	,	'	2/10/200007	Ext. Airtoinia	R154	1	1		1 1	- 1	RT0510014			±5%	1/4W
		1					P100 TUNER BOARD	R155	1	1	'	1 1		RT0582214	Resistor,	8.2K Ω	±5%	¼W
		.			١.,	VD2006010	P.W. Board								1			
P100		1	1	1	1			R156	1	1	.	1 1	1	RT0515314	Resistor,	15ΚΩ	±5%	1/4W
		1	1			ZZ2956119	1	R157	1	1		1 1	1	RT0510214	Resistor,	1ΚΩ	±5%	1/4W
	ļ			1	1	ZZ2956819	P.W. Board Assembly	R158	1	1		1 1	۱	RT0510114	Resistor,	100Ω	±5%	1/4W
				ĺ _	_		D440 D464 D227 D454	R159	1	1	1	1 1	1	RT0527314	Resistor,	27KΩ	±5%	1/4W
P108	:	8	8	8	8	293311802	Spacer, R112, R164, R327, R154	R160	1	1	-	1 1	ı	RT0522314	Resistor,	22Κ Ω	±5%	¼W
P107	'	1	1	1	1	344411805	Spacer, R212	R161	1	1	- 1	1 1	П	RA0104018		Resisto	r, 100l	<Ω(B)
R101	1	1	1	1	1	RT0510414		R162	1		- 1	1 1	- 1	RT0522314	1	22K Ω		1/4W
R102	2	1	1	1	1	RT0510514		R163	1	1	- 1	1 1	- 1	RT0533214				1/4W
R10	3	1	1	1	1	RT0556314		R164	1	1		1 1	- 1	RT0510114			±5%	1/4W
R104	4	1	1	1	1	RT0510114		R165	1	1		1 1	- 1	RT0510114	1		±5%	1/4W
R10	5	1	1	1	1	RT0510514		11100	Ι.	1.		` `		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,			,
R10	- 1	1	1	1	1	RT0522214	Resistor, $2.2K\Omega \pm 5\%$ %W	R166	1	1		1 1	1	RT0510214	Resistor,	1ΚΩ	±5%	1/4W
R10	- 1	1	1	1	1	RT0510114	Resistor, $100\Omega \pm 5\%$ ¼W	R167	1	1	- 1	1 1	- 1	RT0510114	1		±5%	1/4W
R10	- 1	1	1	1	1	RT0582214	Resistor, $8.2K\Omega \pm 5\%$ ¼W	R168	1			1 1	- 1	RT0510114			±5%	1/4W
		-						R169	1			1 1		RT0522314				1/4W
R10	a l	1	1	1	1	RT0510214	Resistor 1KΩ ±5% ¼W		- 1	- 1	- 1	- 1	- 1	RC0000012				/4**
R11		1	1	1		1		R170	1		- 1	- 1	1	RT0527314	1	_		1/4W
R11	- 1	i	1	1		1		R171	1				- 1	RT0527314				1/4W
R11	- 1	1	1	1	1 .	1		R202	1	- 1		1 1	- 1	RA0103025	1 .			
R11		1	1	1	1 .			R204	1	- 1	1	1	1					
1	- 1	1	1	1		1		R205	1	1	Ł	1 1	- 1	RT0512414				1/4W
R11	- 1		1	1				R206	1	1	-	1 1	1	RT0582114	Resistor,	82032	±5%	1/4W
R11		1	1	1	j				١.	١.			.			400140		4/144
R11		1	1	1	1 .			R207	1	1	- 1	1 1	- 1	RT0510414		_		1/4W
R11	1	1	1	1	1			R208	1	1	- 1	1 1	- 1	RT0510314	1		±5%	1/4W
R11	ŏ	1	1	1	'	111002/114		R209	1	- 1	- 1	- 1	1	RT0530114			±5%	1/4W
	_	4	4	1	1	BT0515217	Resistor 1.5KΩ ±5% ¼W	R210	1		- 1		1	RT0510314	1	_	±5%	1/4W
R11		1	1					R211	1		- 1	- 1	1	RT0527214		_		1/4W
R12	- 1	1	1	1			. 1	R212	1	1		1 1	1	RT0510114			±5%	1/4W
R12		1	1			1		R213	1	1		1 1	1	RT0515114			±5%	1/4W
R12	- 1	1	1				1	R214	1	1	1	1 '	1	RT0543214				1/4W
R12		1	1	1 -	1			R215	1	1		1 '	1	RT0533414	Resistor,	330KΩ	±5%	1/4W
R12		1	1		1		The state of the s	R216	1	i	- 1		1	RT0547314			±5%	1/4W
R12	25	1	1	1	1	RT0515114	Resistor 150 Ω ±5% ¼W											
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REF. DESIG.	U	Q'T	E	N	PART NO.	DESCRIPTION	REF. DESIG.	U	_	TY		PART NO.	DESCRIPTION
R330	1	1	1	1	RT0568114	Resistor 680Ω ±5% ¼W	C130 C131	1 1	1 1	1 1	1	DK1820302 DK1820302	,
R331 R301	1	1	1	1.	RT0568114 RA0103025	Resistor, $680\Omega \pm 5\%$ ¼W Trimming Resistor, $10K\Omega$ (B)	C131	1	1	1	1	DK1820302	1
R302	1	1	1	1	RA0502020		C133	1	1	1	1	DK1820302	0
R303	1	1	1	1	RT0518314	Resistor, $18K\Omega \pm 5\%$ %W	C134	1	1	1	1	DD1610101	Ceramic Cap., 100pF ±10%
R304	1	1	1	1	RT0510214	Resistor, $1K\Omega \pm 5\%$ 1/4W	C135	1	1	1	1	DK1820302	
R305	1	1	1	1	RT0510214	Resistor, $1K\Omega \pm 5\%$ ¼W	C136	1	1	1	1	DK1820302	
R307	1	1	1	1	RT0512014	Resistor, $12\Omega \pm 5\%$ %W	C137	1	1	1	1	DK1820302	
R308	1	1	1	1	RT0522414 RT0522414	Resistor, $220K\Omega \pm 5\%$ ¼W	C138	1	1	1	1	DK1820302	
R309	1	1	1			Resistor, $220K\Omega \pm 5\%$ 1/4W	C139	1			1		Ceramic Cap., 0.04μFl ± 100 %
R310	1	1	1	1	RT0522414	Resistor, 220K Ω ±5% ¼W	C140	1	1	1	1		Electrolytic Cap., 10μF 16V
R311 R312	1	1	1	1	RT0539214 RT0539214	Resistor, $3.9K\Omega \pm 5\%$ ¼W Resistor, $3.9K\Omega \pm 5\%$ ¼W	C141 C142	1	1	1	1	DD1620101 DD1620101	
R313	1	1	'	'	RT0556214	Resistor, 5.6K Ω ±5% ¼W	C142	1	1	1	1	DD1620101	
R314		1			RT0556214	Resistor, $5.6K\Omega \pm 5\%$ %W	C144	1	1	1	1		Ceramic Cap., $0.04\mu F \pm \frac{100}{6}\%$
R313		Ì	1	1	RT0556214	Resistor, 5.6KΩ ±5% ¼W	C145	1	1	1	1		Electrolytic Cap., 47μ F 16V
R314			1	1	RT0556214	Resistor, 5.6KΩ ±5% ¼W	C146	1	1	1	1		Electrolytic Cap., 10µF 16V
R315	1	1	1	1	RT0522414	Resistor, 220K Ω ±5% ¼W	C147	1	1	1	1	DK1840302	Ceramic Cap., 0.04µF ± 100 %
R316	1	1	1	1	RT0522414	Resistor, $220K\Omega \pm 5\%$ ¼W	C148	1	1	1	1		Ceramic Cap., 0.02μF ± 100 %
R317	1	1	1	1	RT0510514 RT0510514	Resistor, $1M\Omega \pm 5\%$ 1/W	C149	1	1	1	1	DK1840302	Ceramic Cap., $0.04 \mu F \pm {}^{100}_{0}\%$
R318 R319	1	1	1	i	RT0556314	Resistor, $1M\Omega \pm 5\%$ ¼W Resistor, $56K\Omega \pm 5\%$ ¼W	C150	1	1	1	1	DD1610101	Canada Canada 100- 5 +100/
11313	1	1	•	1		Mesistor, 501/22 ±570 7444	C150	1	1	1	1	DK1820302	Ceramic Cap., $100pF \pm 10\%$ Ceramic Cap., $0.02\mu F \pm {}^{100}\%$
R320	1	1	1	1	RT0556314	Resistor, $56K\Omega \pm 5\%$ ¼W	C152	1	1	1	1	EA1050509	Electrolytic Cap., 1μ F 50V
R 321	1	1	1	1	RT0522214	Resistor, 2.2KΩ ±5% ¼W	C153	1	1	1	1	DK1840302	
R322	1	1	1	1	RT0522214	Resistor, 2.2KΩ ±5% ¼W	C154	1	1	1	1	DD1525002	Ceramic Cap., 25pF ±5%
R323	1	1	1	1	RT0575214	Resistor, $7.5K\Omega \pm 5\%$ 1/4W	C202	1	1	1	1	DF6535101	Film Cap., 350pF ±5%
R324	1	1	1	1	RT0575214	Resistor, $7.5K\Omega \pm 5\%$ ¼W	C203	1	1	1	1	DD1520001	Ceramic Cap., 20pF ±5%
R325	1	1	1	1	RT0522414 RT0522414	Resistor, 220KΩ ±5% ¼W	C204	1	1	1	1	DF1710301	Film Cap., 0.01μF ±20%
R326 R327	1	1	1	1	RT0522414	Resistor, $220K\Omega \pm 5\%$ ¼W Resistor, $1.5K\Omega \pm 5\%$ ¼W	C205	1	1	1		DF1710301	Film Cap., $0.01\mu\text{F} \pm 20\%$
R328	1'	'	1	1	RT0527214	Resistor, 1.5K Ω ±5% M W	C206	'	'	'	1	DF1710301	Film Cap., 0.01µF ±20%
R329			1	1	RC0000012	Resistor, 0Ω	C207	1	1	1	1	EA1050509	Electrolytic Cap., 1µF 50V
				ĺ			C208	1	1	1	1	EA4750359	Electrolytic Cap.,4.7µF 35V
C101	1	1	1	1	CA3250002	Variable Cap., FM-3 AM-2	C209	1	1	1	4	EA3350509	Electrolytic Cap.,3.3µF 50V
C103	1	1	1	1	DD1210001	Ceramic Cap., 10pF±1pF	C210	1	1	1	1	DK1710201	Ceramic Cap., 0.001 µF ±20%
C104	1	1	1	1	DK1710201	Ceramic Cap., $0.001\mu F \pm 20\%$	C211	1	1	1	1	DF1682201	Film Cap., $0.0082\mu\text{F} \pm 10\%$
C105	1	1	1	1	DK1820302 DK1820302		C212 C213	1	1	1	1	DF1710301 EA1070169	Film Cap., $0.01 \mu F \pm 20\%$ Electrolytic Cap.100 μF 16V
C106 C107	1	1	1	1	DD1210001	Ceramic Cap., 0.02μ F $\pm {}^{100}$ % Ceramic Cap., 10 pF ± 1 pF	C214	1	1	1	1	DK1840302	Electrolytic Cap.100 μ F 16V Ceramic Cap., 0.04 μ F $\pm^{100}_{0}\%$
C108	li	1	1	1	DD1207003		C215	1	1	1	1	EV2240356	Electrolytic Cap., 0.22µF 35V
C109	1	1	1	1	DD1530101	Ceramic Cap., 300pF ±5%	C216	1	1	1	1	EA1070169	Electrolytic Cap.100μF 16V
C110	1	1	1	1	DD1615003		C217	1	1	1	1		Ceramic Cap., 0.04 µF ±10% %
C111	1	1	1	1	DK1710201	Ceramic Cap., 0.001µF ± 20%	C218	1	1	1	1		Ceramic Cap., 0.01 µF ±20%
C112	1		1	1		Ceramic Cap., 0.04µF±100%	C219	1	1	1	1		Ceramic Cap., 25pF ±5%
C113 C114	1	1	1	1		Ceramic Cap., 20pF±5% Ceramic Cap., 7pF±1pF	C301 C302	1	1	1	1	DF1622201	Electrolytic Cap., 10μF 16V Film Cap., 0.0022μF ±10%
C115	1	1 .	1	1		Ceramic Cap., 20pF±5%	C303	1	1	1		DF1622201	Film Cap., 0.0022 µF ±10% Film Cap., 470 pF ±5%
C116	1		1	1	DD1103001		C304	1	1	1	1	EQ2240501	Electrolytic Cap., 0.22µF 50V
C117	1	1	1	1		Ceramic Cap., 20pF ±5%	C305	1	1	1	· I	EQ4740501	Electrolytic Cap., 0.47µF 50V
C118	1	1	1	1		Ceramic Cap., $0.02\mu F \pm {}^{100}_{0.00}\%$	C306	1	1	1	1	EQ2240501	Electrolytic Cap., 0.22µF 50V
C119	1	1	1	1	DK1840302	Ceramic Cap., $0.04 \mu F \pm {}^{100}_{0}\%$	C307	1	1	1	1	DF1747301	Film Cap., 0.047µF ±20%
C120	1		1	1		Ceramic Cap., 0.04µF ± 100 %	C310	1	1	1	1	EA2270169	Electrolytic Cap., 220µF 16V
C121 C122	1	1	1	1		Electrolytic Cap., $0.022\mu\text{F}$ 35V Ceramic Cap., $0.02\mu\text{F} \pm {}^{10}\%\%$	C311 C312	1	1	1	1	DF1639201	Film Cap., 0.0039µF ±10%
C122	1	1	1	1			C312	1	1	1	1	DF1639201 DF1533201	Film Cap., 0.0039µF ±10% Film Cap., 0.0033µF ±5%
C124	1	1	1	1		Ceramic Cap., 0.02µF ± 10%	C314	1	1	1	1	DF1533201	Film Cap., 0.0033µF ±5%
C125	1		1	1	DK1820302	Ceramic Cap., 0.02µF ± 100 %	C315	1	1	1	1	DF1633201	Film Cap., 0.0033µF ±10%
C126	1	1	1	1		Ceramic Cap., 0.02µF ± 100 %	C316	1	1	1	1	DF1633201	Film Cap., 0.0033µF ±10%
C127	1		1	1		Ceramic Cap., 20pF ±10%	C317	1	1	1	1	DD1536101	Ceramic Cap., 360pF ±5%
C128	1	1	1	1	EA1060169	Ceramic Cap., 0.02 μ F ± 10 % Electrolytic Cap., 10 μ F 16V	C318 C319	1 1	1	1	1	DD1536101	Ceramic Cap., 360pF ±5%
C129	1	1	'		-~1000109	Liectrony tic Cap., Σ ΤυμΕ 10V	6319	'	'	1	1	DF5582101	Film Cap., 820pF ±5%
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																N: For Scandinavia
REF.		QT	Υ				550	0010T10N		REF.		QT			PART NO.	DESCRIPTION
DESIG.	U	С	E	N	1	PART NO.	DES	CRIPTION		DESIG.	U	C	Ε	N	FART NO.	DESCRIPTION
220.0.	\vdash	-+		H	+						\vdash	 				DAGO FOL AMP BOARD
C320	1	1	1	1		DF5582101	Film Cap.,	820pF	±5%		١.	١.				P400 EQL. AMP BOARD
C321	1	1				DF1568201	Film Cap.,	6800pF	±5%	P400	1	1	1	1	YD2956104	1
C321	1		1	1	ıl	DF1547201	Film Cap.,	4700pF	±5%		1	1	1	1	ZZ2956104	P.W. Board Assembly
1	1	1	•	'	1	DF1568201	Film Cap.,	6800pF	±5%	1	1					
C322	'	'		1	- 1		Film Cap.,	4700pF	±5%	P408	2	2	2	2	293311802	Spacer, R421
C322	1.1	.	1	1	1	DF1547201		•		R401	1	1	1	1	RT0510214	Resistor, $1K\Omega \pm 5\%$ ¼W
C323	1	1	1	1	- 1	EV4740356	Electrolytic		7μF 30V	1	1	1	1	1	RT0510214	Resistor, $1K\Omega \pm 5\%$ ¼W
C324	1	1	1	1		EV4740356	Electrolytic		7μF 30V	R402		ł				1
C325	1	1	1	1	1	EV4740356	Electrolytic	Cap., 0.47	7μF 30V	R403	1	1	1	1	RT0551114	Resistor, $510\Omega \pm 5\%$ ¼W
C326	1 1	1	1	1	ľ	EV4740356	Electrolytic	Cap., 0.47	7μF 30V	R404	1	1	1	1	RT0551114	Resistor, $510\Omega \pm 5\%$ ¼W
L101	1	1	1	1		LA1202612	Ant. Coil,	FM		R405	1	1	1	1	RT0562314	Resistor, $62K\Omega \pm 5\%$ %W
2.0.	1 1			'					İ	R406	1	1	1	1	RT0562314	Resistor, $62K\Omega \pm 5\%$ ¼W
L102	1	1	1	1	.	LA1202610	RF Coil,	FM		R407	1	1	1	1	RN0527414	Resistor, 270KΩ ±5% ¼W
1	1 1			1		LO1203601	Osc. Coil	FM	I	R408	1	1	1	1		Resistor, 270KΩ ±5% ¼W
L103	1	1	1		- 1				1	R409	1	1	1	1		Resistor, $180K\Omega \pm 5\%$ 1/4W
L104	1	1	1	1	- 1	LC1751001	Choke Coil,		1	11409	'	1'	'	١.	1110010414	Tresistor, 180K32 ±576 /4VV
L105	1	1	1	1	1	LI1001601	IFT,	FM			١.	١.	١.			
L106	1	1	1	1		LI1401623	IFT,	FM		R410	1	1	1	1		Resistor, $180K\Omega \pm 5\%$ ¼W
L107	1	1	1	1	1	L11015602	IFT,	FM		R411	1	1	1	1	RN0527414	Resistor, 270K Ω ±5% ¼W
L202	1	1	1	1	1	LO1001049	Osc. Coil,	AM		R412	1	1	1	1	RN0527414	Resistor, 270KΩ ±5% ¼W
1					- 1	LI1028003	IFT,	AM		R413	1	1	1	1	RT0522314	1
L203	1	1	1	- 1	- 1		1			R414	1	1	1	1	RT0522314	
L204	1	1	1		- 1	LI1001064	IFT,	AM		1	1		1	1 1		
L206	1	1	.1	1	1	LC2105001	Choke Coil,	ımH		R415	1	1	1	1	RT0568114	1
1			1							R416	1	1	1	1	RT0568114	Resistor, $680\Omega \pm 5\%$ ¼W
L301	1	1	1	1.	1	LC2226004	Choke Coil,	22mH		R417	1	1	1	1	RT0547314	Resistor, $47K\Omega \pm 5\%$ ¼W
L302	1	1	1		i	LC2226004	Choke Coil.			R418	1	1	1	1	RT0547314	Resistor, 47KΩ ±5% ¼W
l .		1	1	- 1	1	LC2476001	Choke Coil,			R419	1	1	1	1	RT0522314	Resistor, 22KΩ ±5% ¼W
L303	1	1			- 1		1			1	١.	1.	١.	1		710010101, 22111070 7011
L304	1	1	1		1	LC2476001	Choke Coil,			B420	1	1	1	1	RT0522314	Resistor, 22KΩ ±5% ¼W
F101	1	1	1	1.	1	FF1107005	Ceramic Filt			R420	1	1	ł	1 1		1
F102	1	1	1	'	1	FF1107005	Ceramic Filt	er, SFE10	.7 MD-1	R421	1	1	1	1	RT0522114	
H101	1	1	1		1	HF200551D	FET,	2SK 55	(D)	R422	1	1	1	1	RT0518414	Resistor, $180K\Omega \pm 5\%$ ¼W
H102	1	1	1	- 1	1	HT310471B		2SC1047	(B)	C401	1	1	1	1	EV3350256	Electrolytic Cap., 33 µF 25V
1	- 1	1	1	1	1	HT304611B	Transistor,	2SC461	(B)	C402	1	1	1	1	EV3350256	Electrolytic Cap., 33µF 25V
H103	1	1			- 1		1		(C)	C403	1	1	1	1	DD1650001	Ceramic Cap., 50pF±10%
H104	1	1	1		1	HT308291C	Transistor,	2SC829	(0)	C404	1	1	1	1	DD1650001	Ceramic Cap., 50pF±10%
										1	1	1		1		1
H105	1	1	1		1	HT308291C	Transistor,	2SC829	(C)	C405	1	1	1	1	EA1070109	Electrolytic Cap., 100μF 10V
H106	1	1	1		1	HT308291C	Transistor,	2SC829	(C)	C406	1	1	1	1	EA1070109	Electrolytic Cap., 100 µF 10V
H107	1	1	1	- 1	1	HT308291C	Transistor,	2SC829	(C)	C407	1	1	1	1	DK1710201	Ceramic Cap., 0.001 µF±20%
1			1		1	HT308291D		2SC829	(D)			1				
H108	1	1		- 1			1			C408	1	1	1	1	DK1710201	Ceramic Cap., 0.001 μF ± 20%
H109	1	1	1	- 1	1	HT308291B		2SC829	(B)	C409	1	1	1	1	DF1512301	Film Cap., 0.012µF ±5%
H110	1	1	1		1	HT308281C	Transistor,	2SC828	(R)		1		,			
H111	1	1	1	-	1	HT308281C	Transistor,	2SC828	(R)	C410	1	1	1	1	DF1512301	Film Cap., 0.012μF ±5%
H112	1	1	1	1	1	HD1000302	Diode,	20A90		C411	1	1	1	1	DF1533201	
H113	1	1	1	- 1	1	HD1000302	Diode.	20A90		C412	1	1	1	1	DF1533201	Film Cap., 0.0033 μF ±5%
1	1	1	1	- 1	1	HD2001105	1	1S1555		C413	1	1	1	1	EA1050509	Electrolytic Cap., 1µF 50V
H114	- '	'	'		'	1102001103	Diode,	101333		C415	1	1	1	1	EE1050505	Electrolytic Cap., 1.0 µF 50V
		١.	1.	1	.		a	404555		C416	1	1	1	1	EE1050505	
H115	1	1	1	- 1	1	HD2001105	1	1S1555		1 1			1	1		
H116	1	1	1		1	HD1000302		20A90		C417	1	1	1	1	EA 1070359	
H117	1	1	1		1	HD1000302	Diode	20A90		H401	1	1	1	1	HC1001105	IC, TA7129P
H118	1	1	1		1	HD1000302	Diode,	20A90								
H119	li	i	1	- 1	1	HD1000302	1	20A90		H402	1	1	1	1	HC1001105	IC, TA7129P
H201	1	1	li	- 1	1	HC1000301		HA1151		J401						
1	1 .	1	1	- 1	1	HC1000301		HA1156			8	8	8	8	YP1000113	Plug
H301	1	1	1		1				(0)	J408		1	1	ا ا		· · - 3
H302	1	1	1	. 1	1	HT105641B		2SA564	(Q)	3400		İ				
H303	1	1	1	- 1	1	HT308281C	I .	2SC828	(R)							D700 MAIN AND COASS
H304	1	1	1		1	HT308281C	Transistor,	2SC828	(R)			1				P700 MAIN AMP. BOARD
										P700	1	1	1	1	YD2956101	P.W. Board
H305	1	1	1		1	HT308281C	Transistor	2SC828	(R)		1	1	1	1	ZZ2956101	P.W. Board Assembly
	'		1.	- 1	1		Transistor,	2SA 564	(Q)			1				,
H306	1			- 1				2SA 564 2SA 564	(Q)	P708	8	8	8	8	293311802	Spacer R735~R738
H307	1		Ι.		1	HT105641B	1	23A 304	(U)	1 1			1	1 1		
J101	1	1	1	- 1	1	YP1000114	0			R701	1	1	1	1	RT0510414	
J102	1	1	1	1	1	YP1000114	Plug			R702	1	1	1	1 1	RT0510414	
J105				-						R703	1	1	ı	1	RT0510214	Resistor, 1KΩ ±5% ¼W
\ \	22	200	12	2	22	YP1000114	Plug			R704	1	1	1	1	RT0510214	Resistor, 1KΩ ±5% ¼W
J126	1-1	1	1-	-1.			~				1	1	l			
		1	1.	.	,	YP1000114	Plug				1	1	1			
J131	1		1		1							1				
J132	1	1	1	1	1	YP1000114	Plug									
													1			
							1				l					
1	-															
			1													
		1			- 1		1									
				\perp			L			l L	L	لــــــــــــــــــــــــــــــــــــــ		لـــا		

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REF.	U	G.	E		V	PART NO.	DESCRIPTION	ON		REF. DESIG.	U			_	PART NO.	DESCRIPTION
DESIG.	+-1			+	+	DT0500444	D 200KO +	E0/ 1/\A	,		1	1	1	+		Ceramic Cap 150pF ± 10%
R705	1	1	1	1	- 1	RT0520414	Resistor, 200K Ω ± Resistor, 200K Ω ±		- 1	C716 C717	1	1	1		DD1610101	
R706	1	1	1		- 1	RT0520414 RT0539314	Resistor, $39K\Omega \pm$		- 1	C718	1	1	1		DD1610101	, , , , , , , , , , , , , , , , , , , ,
R707	1 1	1	1	- 1		RT0539314	Resistor, 39K Ω ±		- 1	C719	1	1	1	1	DF1610405	1
R708 R709	1	1	1	- 1	- 1	RT0515414	Resistor, 150K Ω ±		- 1	C720	1	1	1		DF1610405	Film Cap., 0.1μ F $\pm 10\%$
R710	1	1	1	- 1		RT0515414	Resistor, 150K Ω ±		1	C721	1	1	1	- 1	EB2280355	Electrolytic Cap., 2200µF 35V
R711	1	1	1	- 1		RT0556214	Resistor, 5.6K Ω ±	:5% ¼V	٧	C722	1	1	1	1	EB2280355	Electrolytic Cap., 2200µF 35V
R712	1	1	1	.	1	RT0556214	Resistor, 5.6K Ω ±	:5% ¼V	٧	C723	1	1	1	1	EA1050509	Electrolytic Cap., 1µF 50V
R713	1	1	1	1.		RT0539114			- 1	C724	1	1	1		EA1050509	
R714	1	1	1		1	RT0539114	Resistor, 390 Ω ±	:5% ¼V	۷	L701	1	1	1	1	LC2272001	Choke Coil, 2.7μH ±20%
R715	1	1	1	1	1	RT0510114	1		- 1	L702	1	1	- 1		LC2272001	Choke Coil, 2.7µH ±20%
R716	1	1	1		1	RT0510114	i i			M701	1	1	- 1	- 1	IN1006035	Lamp, 6V
R717	1	1	1	- 1	1	RT0527214				M702	1	1	1	1	IN1006035	Lamp, 6V
R718	1	1	1	ł	1	RT0527214				J701					VD4000440	B.
R719	1	1	1	- 1	1	RT0539114	_			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9	9	9	9 9	YP1000113	Plug
R720	1	1	1	- 1	1	RT0539114				J709	1	1	1	1	RC0000012	Resistor. 0Ω
R721	1	1	1	- 1	1	RT0568214 RT0568214				R752 R747	1	1	1	1	1	
R722	1	1	1	- 1	1	RT0582214	_	±5% ¼V		R748	1	1		- 1		
R723	1	1	1	- 1	1		Resistor, $8.2K\Omega$			R749	1	1		4		
R724	'	'	'		•	1110302214					ľ			'		
R725	1	1	1	- 1	1	RT0536214	_			R750	1	1	- 1		1	1 '
R726	1	1	1	- 1	1	RT0536214	1		Ν	R751	1	1		- 1	-	
R727	1	1	1	- 1	1	RA0102021	1	(B)		H701	1	1		- 1	1	Transistor, 2SA564AC
R728	1	1	1		1	RA0102021		(B)	.,	H702	1	1	- 1	1		Transistor, 2SA564AC
R729	1	1	1	- 1	1	RT0510014				H703 H704	1	1	- 1	l l		Transistor, 2SC1384 R or S Transistor, 2SC1384 R or S
R730	1	1	1		1	RT0510014				H704	1	1	- 1	- 1		Transistor, 2SC828 S
R731	1	1	1	- 1	1	GF0547114 GF0547114				H706	1	1		- 1		Transistor, 2SC828 S
R732	1	1		- (1	GF0547114	,			H707	1	1		1	1	Transistor, 2SC1384 Q or R
R733 R734	1	1	1	- 1	1	GF0510014				H708	1	1		t		Transistor, 2SC1384 Q or R
R735	1	1	1	ı	1	GK 0547202	Resistor, 0.47Ω	±5% 2\	W	H709	1	1	1	1 1	HT106842E	Transistor, 2SA684 Q or R
R736	1			- 1	1	GK0547202	_			H710	1	1	- 1	1 1	1	Transistor, 2SA684 Q or R
R737	1	- 1			1	GK0547202			N	H711	1	1	1	1	HT403131E	Transistor, 2SD313D or E
R738	1	1 .		- 1	1	GK0547202	_	±5% 2\	Ν	H712	1	1	1	1	HT403131	Transistor, 2SD313D or E
R739	1		1		1	RC1010012	_	± 10% 1/21	W	H713	1	1	1	1 1	HT205071	Transistor, 2SB507D or E
R740	1	1	1	1	1	RC1010012	Resistor, 10Ω	±10% 1/21	W	H714	1	1	1	1 1	HT2050710	Transistor, ^2SB 507D or E
R741	1	1			1	RC1002212										
R742	1	- 1	- 1		1	RC1002212	'									P800 POWER SUPPLY BOARD
R743	1				1	RT0510314				P800	1		- 1	1 1		
R744	1	1	1	1	1	RT0510314	Resistor, $10K\Omega$	±5% ¼'	VV		1	1	1	1 '	ZZ2956103	P.W. Board Assembly
R745	1	- 1		1	1	RC1022112	_			P808	10			10	293311802	Spacer, R802, R807, H806,808
R746	1	- 1		1	1	RC1022112		±10% ½		P809	10		- 1			Spacer, R801,R802~H805
C701	1	1 .		1	1		Electrolytic Cap.,			R801	1	- (- 1		GJ0533103	
C702	1	1		1	1	EV1050256	1	1μF 2! 47μF 50		R802	1	t	ı		GJ0522102	1.00/
C703	1	- 1		1	1	EA4760509		47µF 50		R803	1	1		1 .	1	
C704	1	- 1	- 1	1	1	EE1070355		100μF 3!		R804	1 1	- 1	- 1		RT0518314 RT0510414	1
C705	1		- 1	1	1	EE1070355		100μF 3!		R806	1	1			RC1010012	
C706	1			1	1	EA1070359		100µF 3!		R807	1				GF0533012	
C707	1	- 1		1	1	EA1070359	1	100µF 3		C801	1				DK181035	
C709	1	1	.	1	1	EA1070109	Electrolytic Cap.,	100µF 10	0V	C802	1	1	,	1 .	DK1810351	Ceramic Cap., 0.01μF ±20%
C710	1			i	1	EA1070109	1	100µF 1		C803	1	ı		- 1	EB3380552	
C711	1	1 .		1	1	DD161000		10pF±1		C804	1	- 1		- 1	EA3370509	
C712	1			1	1	DD161000	1	10pF±1	0%		1	- 1		- 1	EA3370359	1
C713	1	1		1	1	DD165000	1	50pF±1		C806	1			- 1	I EA2270169	Electrolytic Cap., 220µF 16V
C714	1			1	1	DD165000		50pF±1		1	1	- 1			I EA2270509	
C715	1	1		1	1	DD161510	1 Ceramic Cap.,	150pF±1	0%	1	1	1	- 1	- 1	EA1070509	
				- 1						C809	1	- 1	- 1	- 1	DK184030	1
						1				C810	1				I EA4770169	1
										H801	1	1	' '	1	I HT314072E	Transistor, 2SC1407 (Q or R)

U: For U.S.A. C: For Canada E: For Europe N: For Scandinavia

REF.		Ω′٦			PART NO.	DESCRIPTION	REF. DESIG.	-	Q'T	ΓY	N	PART NO.	DESCRIPTION
DESIG.	U		Ε	N		LIOES	CE01	1	1	1	1	DF1722405	Film Cap., 0.22μF,50V±20%
H802	1	1	1	1		Diode, U05B Diode, U05B	CE02	1	1	i	1		Film Cap., 0.22 µF,50V±20%
H803	1	1	1	1	HD2000901		CE03	1	1	1	1	EE1050501	Electrolytic Cap., 1 µF,50V±20%
H804	1	1	1	1	HD2000901 HD2000901	Diode, U05B Diode, U05B	CE04	1	1	1	1	EE1050501	Electrolytic Cap., 1µF,50V±20%
H805	1	1	1	1		Diode, W06B	CE05	1	1	1	1	DF1622305	Film Cap., 0.022μF,50V±10%
H806	1	1	1	1	HD2000501	Diode, W06B	CE06	1	1	1	1	DF1622305	Film Cap., $0.022 \mu F,50V \pm 10\%$
H807	1	1	1	1		Diode, W06B	CE07	1	1	1	1	DF1622305	Film Cap., 0.022μF,50V±10%
H808 H809	1	1	1	1	HD3002709		CE08	1	1	1	1	DF1622305	Film Cap., $0.022 \mu F,50V \pm 10\%$
J801	'	'	١.	١.			CE09	1	1	1	1	DF1610205	Film Cap., $0.001 \mu F,50V \pm 10\%$
} }	16	16	16	16	YP1000113	Plug	CE10	1	1	1	1	DF1610205	Film Cap., 0.001µF,50V±10%
J815					ĺ	_		1		١.			5
		l	1				CE11	1	1	1	1	EE1050501	Electrolytic Cap., 1µF,50V±20%
				1		PE01 TONE AMP. BOARD	CE12	1	1	1	1	EE1050501	Electrolytic Cap., 1μF,50V±20% Electrolytic Cap.,4.7μF,25V±20%
PE01	1	1	1	1	YD2956102		CE13	1	1	1	1	EE4750251 EE4750251	Electrolytic Cap.,4.7µF,25V=20%
	1	1	1	1	ZZ2956102	P.W. Board Assembly	CE14	1 1	1	1	1	EQ4750251	Electrolytic Cap.,4.7 µF, 16V±30%
				_		DE45	CE15 CE16	1	1	1	1	EQ4750161	Electrolytic Cap.,4.7µF,16V±30%
PE08	2	2	2	2	293311802	Spacer, RE45 Resistor, $4.7K\Omega \pm 5\%$ %W	CE17	1	i	1	1	EA1070509	Electrolytic Cap.100µF,50V +50 %
RE01	1	1	1	1	R10547214	Resistor, $4.7K\Omega \pm 5\%$ ¼W Resistor, $4.7K\Omega \pm 5\%$ ¼W	HE01	1	1	1	1	HT313282A	Transistor, 2SC1328(S or T)
RE02	1	1	1	1	RT0547214	Resistor, $4.7 \text{K}\Omega \pm 5\%$ %W	HE02	1	1	1	1	HT313282A	Transistor, 2SC1328(S or T)
RE03	1	1	1	1 1	RT0547414	Resistor, $470K\Omega \pm 5\%$ %W	HE03	1	1	1	1	HT107223A	
RE04 RE05	1		1		RT0510214					1			
RE06	1	1	1	1	RT0510214		HE04	1	1	1	1	HT107223A	
RE07	1	1	1	-	RT0522314	1	HE05	1	1	1	1	HT313281T	
RE08	1	- 1	1		RT0522214		HE06	1	1	1	1	HT313281T	Transistor, 2SC1328 (T)
RE09	1		1		RN0510514	Resistor, $1M\Omega \pm 5\%$ ¼W	JE01			l			5.
11.200	'						1 2	10	10	10	10	YP1000113	Plug
RE10	1	1	1	1	R N0510514		JE10	-					
RE11	1	1	1	1	RT0568314								PH01 MUTING, HI FILTER
RE12	1		1		RT0568314	1							BOARD
RE13	1	- 1	1		RT0510214		PH01	1	1	1	1	YD2956106	
RE14	1				RT0510214		11	1	1	1	1		P.W. Board Assembly
RE15	1		1		RT0575214 RT0575214			'	'	1			
RE16	1		- 1			1	RH01	1	1	1	1	RT0547214	Resistor, 4.7KΩ ±5% ¼W
RE17	1	- 1				110010101	RH02	1	1	1	1	RT0547214	
RE18	1	1	- 1		BT0522414	Resistor, 220K Ω ±5% ¼W	RH03	1	1	1	1	RT0522514	
HEIS	'	'	'	'	11.70022.11	, ====	RH04	1	1	1	1	RT0522514	Resistor, $2.2M\Omega \pm 5\%$ ¼W
RE20	1	1	1	1	RT0522414	Resistor, 220K Ω ±5% ¼W	CH01	1	1	1	1	DF1668205	Film Cap., 0.0068 μF
RE21	1	- 1	1	- 1	RT0522314		CH02	1	1	1	1	DF1668205	Film Cap., 0.0068 μF
RE22	1		1	1			SH01	1	1	1	1	SP0202008	Push Switch
R E23	1	1		- 1			JH01	7	7	7	7	YP1000113	Plug
RE24	1	- 1		- 1				'	'	1'	'	171000113	Flug
RE25	1				1		31.107						
RE26	1		1	- 1	1	2 2140 . 704 . 4/144							PT01 LOUDNESS, MONITOR
RE27	1	1			RT0568214	Resistor, $6.8K\Omega \pm 5\%$ %W		1					BOARD
RE28		1	- 1	i i	RT0582214	Resistor, $8.2K\Omega \pm 5\%$ ¼W	PT01	1	1	1	1	YD2956105	P.W. Board
1123	'	' '		. .				1	1	1	1	ZZ2956105	P.W. Board Assembly
RE30	1	ı 1	-	1 1	RT0582214	Resistor, $8.2K\Omega \pm 5\%$ ¼W		1.	1.	1.	1.		Button AFICO FOL 1791
RE31	1	1	•	1 1	RT0512314	Resistor, $12K\Omega \pm 5\%$ ¼W	RT01	1	1			RT0515314	
RE32	1.	1	□ .	1 1	RT0512314	Resistor, $12K\Omega \pm 5\%$ %W	RT02	1	1	1			
RE33	'	1		1 1	RM010400	5 Variable Resistor, 100K(B)	RT03	1	1	1		RT0568314 RT0568314	
RE34	'		- 1	1 1	RM010400	5 Variable Resistor, 100K(B)	RT04	1	1 1			RC0000012	· -
RE35			- 1	1 1		Resistor, $2.2M\Omega \pm 5\%$ ¼W Resistor, $2.2M\Omega \pm 5\%$ ¼W	RT05	1	1		1	RC0000012	_
RE36	- 1		1	1 1		Resistor, $2.2M\Omega \pm 5\%$ WW Resistor, $68K\Omega \pm 5\%$ WW	RT06	1	1	- 1	1		Film Cap., 0.027μF
RE37	- 1	- 1	- 1	1 1	1	Hesistor, $68K\Omega \pm 5\%$ 1/4W	CT02	li	1			DF1627305	
RE38	- 1	- 1		1 1 1 1		Hesistor, $10K\Omega \pm 5\%$ 1/2W	CT03	1	1	- 1		4	Ceramic Cap., 120pF
RE39		1 '	۱	' '	111001001		CT04	1			1		Ceramic Cap., 120pF
RE40	.	1	,	1 1	RT0510314	Resistor, 10KΩ ±5% ¼W				-			
RE41	- 1			1 1	RT0510114	4 Resistor, $100\Omega \pm 5\%$ %W	JT01	1.		ـ ا		\\n	.
RE42	- 1	- 1		1 1	RT0510114	4 Resistor, $100\Omega \pm 5\%$ ¼W	₹	11	11	111	11	YP1000113	Plug
RE43		1		1 1	I RT0510414	4 Resistor, $100K\Omega \pm 5\%$ %W	JT11	1	4	1.	1	SP0202008	Push Switch
RE44		- 1		- 1		4 Resistor, 100KΩ ±5% ¼W	ST01	'	1'	1'	'	35 0202008	i dali Svvitoii
RE45		1	1	1 1	RT0510114	A Resistor, $100\Omega \pm 5\%$ W							
			-										
										1	1	1	
							J L					L	



DEL	Γ	Q'	ΓY				REF.	Τ	Q"	ΤΥ			N: For Scandinavia
REF. DESIG.	U	C		N	PART NO.	DESCRIPTION	DESIG.	U		_	N	PART NO.	DESCRIPTION
						PZ01 DIAL LAMP BOARD	S003	1	1	1		SP0201015	Push Switch, Power
PZ01	1	1	1	1	YD2886016	•	S003				1	SP0201017	Push Switch, Power
	1	1	1	1	ZZ2889116	P.W. Board Assembly	J018	1	١.		1	YJ0800009	Socket, Fuse Holder
							R001	1	1	1	1		Resistor, $1K\Omega \pm 5\%$ ½W
MZ01	_	_	_	_	1011000007	Lamp	R002 R003	1	1	1	1		Resistor, $150\Omega \pm 5\%$ ½W
	5	5	5	5	IN1008007	Lamp	R004	1	1	1	1	GF0515112 GJ0533101	Resistor, $150\Omega \pm 5\%$ ½W Resistor, $330\Omega \pm 5\%$ 1W
JZ01							R005	1	1	1	l i	GJ0533101	
1	10	10	10	10	YJ0800017	Socket	R006	1	1	1	1	1	Variable Resistor, Master
JZ10							R007	1	1	1	1		Variable Resistor, Balance
JZ11													
\ \	4	4	4	4	YP1000113	Plug	R008	1	1			RC1022512	Resistor, $2.2M\Omega \pm 10\% \%W$
JZ14		1					C001	1	1	1	1		Ceramic Cap., 0.01μF±20%
						PR01 FUSE BOARD	C002	1	1	1	1		Ceramic Cap., 0.01μF±20%
PR01		1		1	YD2975001		C003	1	1	1	1	EA4760100	Ceramic Cap., $0.01\mu\text{F}\pm20\%$ Electrolytic Cap., $40\mu\text{F}$ 10V
11101				1	ZZ2975001	P.W. Board Assembly	L001	1	1	1	1	LC1154004	
JR07						, , , , , , , , , , , , , , , , , , , ,	L002	1	1	1	1		Ant. Coil, AM
₹				6	YP1000113	Plug	L003	1	1	1			Power Transformer
JR12				١.			L003			1	1		Power Transformer
JR01							L004	1	1	1	1		Choke Coil, 3.3µH
₹				6	YJ0800020	Socket						1	
JR06				1	E0400555	_	G001	1	1			BF1040004	
FR01				1	FS1035080	Fuse	C005			1		DF1747351	. 0.00.77 -2070
FR02	1			1	FS1010080	Fuse	M001	1	1	1	1	IN1008034	Lamp, Stereo
FR03				'	FS1010080	Fuse	M003 M004	1	1	1	1	IN1008007	Lamp, Meter
						PR01 FUSE BOARD	F001	1	1	1	1	IM1104208 FS1020006	Meter, Tuning
PR01			1		YD2960103	I .	F001	'	'	1		FS1020008	Fuse, 30mm UL Fuse, 20mm
1			1		i	P.W. Board Assembly	F001			1	1	l _	Fuse, SEMKO
						,	F002		1		'	FS2020091	Fuse, 30mm UL
JR01							F003				1	FS1025080	Fuse, 20mm SEMKO
₹			6		YJ0800020	Jack							
JR06				l			F004	١.			1		Fuse, 20mm SEMKO
JR07			6		VD4000112	Di-	W001 W001	1	1			YC0240022	AC Cord UL. CSA
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			0		YP1000113	Plug	VV001			1		YC0190003	AC Cord
JR12 FR01			1		FS1040006	Fuse, 4A 20mm							
FR02			1		FS1010007	Fuse, 1A 20mm							
FR03			1		FS1010007	Fuse, 1A 20mm							
1													
J001	1	1	1	1	YT0104015	Terminal, Ant.							
J002	1	1	1	1	YL0102003	1 1		1					
J003	1	1	1	1	YT0201009	1							
J004	1	1	1	1	YT0204008	1 ' '							
J005	1	1	1	1	YT0204008 YT0101005	Terminal, Tape Terminal, Ground							
J006	1	1	1			Socket, Headphone							,
J007 J008	1	1	1		YT0304006								
7009	1	li	1		YT0304006	Terminal, Speaker							
J010	1	1	1		YJ0800019	Socket, Meter Lamp							
J011	1	1	1		YJ0400056	Jack, AC Outlet							
J012	1	1			YJ0800012	Socket, Fuse Holder							
J012			1	1	YJ0800022	Socket, Fuse Holder							
J013			1	1 .	BY0311001	Selector, Voltage		l					
J014	1			1	YP0400056	Socket, Inlet							
J015	1	1		1	YL0101005	Terminal, Ground							
J016 J017		1		1	YJ0800009	Terminal, 2P Socket, Fuse Holder							
S001	1	1	1	1	SR1005011	Rotary Switch, Selector							
S001	1	1			SR0204007	Rotary Switch, Speaker							
3002	1	1	Ι΄	ľ		,							
1													
			1										
						·							
L	1	1	1	1_	l	1		L					

SPECIFICATIONS

Amplifier Section:

AF WATT	_
RATED POWER OUTPUT, MINIMUM	
POWER BAND	Z
TOTAL HARMONIC DISTORTION	%
LOAD IMPEDANCE 8 OHM	
I.M. Distortion	%
(I.H.F. method, 60 Hz and 7 kHz mixed 4:1 at rated power output)	
Damping Factor 4	0
Damping Factor	
Preamplifier Section:	
Phono Input Overload at 1 kHz 100 m	V
Equivalent Input Noise	v
Equivalent Input Noise	R
DANIS DANGE TO THE CONTRACT OF	٦
(Dynamic Range is the ratio of input overload to equivalent input noise)	v
Input Sensitivity	v О
INDIT IMOROANCE	
Frequency Response, RIAA ±1 d	
Signal-to-Noise Ratio (at rated output and 7.75 mV input)	В
High Level (Aux and Tape)	
Input Sensitivity	V
Input Impedance 100 K	7.7
Frequency Response (includes power amp.)	IB
$40 \text{ Hz to } 20 \text{ kHz } \pm 0.5 \text{ d}$	IB
Signal-to-Noise Ratio (ref. to rated output and 775 mV input)	
Tape Out (ref. 7.75 mV at Phono inputs) 525 m	V
Outside Impedance	
Tape Out	22
•	
FM Tuner Section:	
Sensitivity	٠.
IHF 50 dB Quieting (mono)	(T)
(stereo) 50 μV (39.2 dB	T)
Quieting Slope (Mono)	
RF Input for 30 dB Quieting	f)
5 μV (19 dBf)	18
10 µV (25 dBf) 55 d	
50 uV (39 dBf)	
1000 µV (65 dBf)	ΙB
Distortion (Mono)	
at 50 dB Quieting, 1000 Hz	′%
at 65 dBf (1000 μV), 1000 Hz	.%
Distortion (Stereo)	
at 50 dB Quieting, 1000 Hz 0.8	1%
at 65 dBf (1000 μV), 1000 Hz	
at 00 upi (1000 µ v /, 1000 112	•
Hum and Noise	
at 65 dBf (1000 μV) Mono	IR
Mono 58 de Stereo 55 de	
Stereo	
^^	

SPECIFICATIONS

Amplifier Section:

RATED POWER OUTPUT, MINIMUM
POWER BAND
I.M. Distortion
Preamplifier Section:
Phono Input Overload at 1 kHz
Input Sensitivity
Input Sensitivity
Signal-to-Noise Ratio (ref. to rated output and 775 mV input)
Output Impedance Tape Out
FM Tuner Section: Sensitivity
IHF 50 dB Quieting (mono)
Quieting Slope (Mono) 2.2 μ V (12 dBf) RF Input for 30 dB Quieting 48 dB 5μ V (19 dBf) 55 dB 10μ V (25 dBf) 55 dB 50μ V (39 dBf) 63 dB 1000μ V (65 dBf) 68 dB
Distortion (Mono) at 50 dB Quieting, 1000 Hz
Distortion (Stereo) at 50 dB Quieting, 1000 Hz
at 65 dBf (1000 μV) Mono

mean and z

Frequency Response	
30 Hz to 15 kHz	. 4 = 15
Mono	±1.5 dB
Stereo	±2.0 dB
Capture Ratio	40.0
at 45 dBf(100 μV)	4.0 dB
at 65 dBf (1000 μV)	3.0 dB
Alternate Channel Selectivity	50 dB
Spurious Response Rejection	80 dB
Image Response Rejection	50 dB
I.F. Rejection (Balanced)	70 dB
A.M. Suppression	45 dB
Stereo Separation	
100 Hz	
1000 Hz	
10 kHz	
Subcarrier Rejection	55 dB
AM Tuner Section: IHF Usable Sensitivity Distortion (THD), 30% Modulation Signal-to-Noise Ratio Frequency Response (±3 dB) 40 Hz to Alternate Channel Selectivity Image Rejection Spurious Response Rejection I.F. Rejection	0.7% 49 dB 2.3 kHz 40 dB 37 dB 67 dB
General Power Requirements	95 Watts 25 Watts
Panel Width 17-3 Panel Height 5-3 Depth 11-1 Weight: 11-1	/8 Inches
Unit alone	20.90 lbs. 26.84 lbs.

